



Australian Bureau of Statistics

CensusAtSchool Australia

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Resources



CaSQ 19 - Scatterplot of Dominant and Non-Dominant Hands Reaction Time using Excel 2007/2010

You can download this activity as a rich text file (RTF) using the link at the bottom of the page.

How to: Get a Random Sample from CensusAtSchool

Go to the CensusAtSchool Random Sampler to download a sample.

Reference year: *(select year)* **Sample size:** *at least 30 students*

Select questions: *Dominant hand reaction time, Non-Dominant hand reaction time*

Location: *Select location* **Year level:** *Select a range of year levels.*

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% of the respondents for the parameters entered.

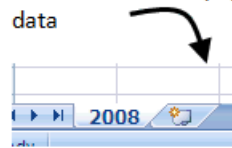
Task One: Organising your data

In the CensusAtSchool random sample find data for Dominant Hand reaction time and Non-Dominant hand reaction time.

1. Move your cursor to the top of the columns until you have an arrow. Click and drag to select both columns. Right click or go to Home and select Copy.

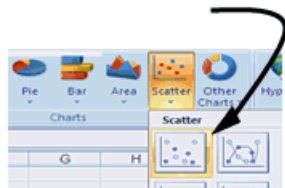
Q09	Q10
DomTime	NonTime
0.39	0.35
0.33	0.38
0.48	0.48
0.65	0.39
0.31	1.61

2. Select a new sheet from the tab at the bottom of the page and paste your data



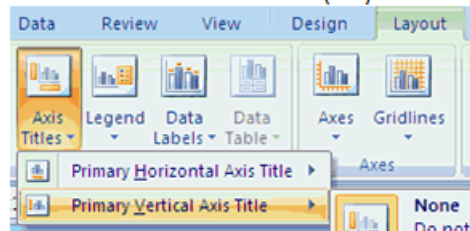
Task Two: Making a scatter plot

1. Select the data for dominant and non-dominant hands. Go to Insert and select 'Scatter with only Markers' to draw your graph



2. Click on the heading to change the title to Dominant vs. Non-Dominant Hands Reaction Times (sec).

3. Select 'Layout' tab and 'Axis Titles' and label the Horizontal axis 'Dominant reaction time (sec)' and the Vertical axis 'Non-Dominant reaction time (sec)'.



Download the full activity:

RTF

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